

ABRASION-RESISTANT HOSE

Abstract

A hose comprising an inner tube of a synthetic resin, a non-reinforcing, abrasion-resistant layer of monofilament strands overlying the inner tube and, a cover layer overlying the inner tube and encapsulating the abrasion-resistant layer, and, optionally, a reinforcing layer between the inner tube and the abrasion-resistant layer of monofilament strands. The monofilament strands can be arranged in a regular pattern, for example, in a loosely-woven net of the monofilament strands and can have a diameter greater or less than the spacing between the monofilament strands, with the spacing between the monofilament strands ranging from 50–200% of the diameter of the monofilament strands.